

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021522\
 Data File : VD071976.D
 Acq On : 15 Feb 2022 13:48
 Operator : VA/SY
 Sample : N1526-03RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 16 00:35:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

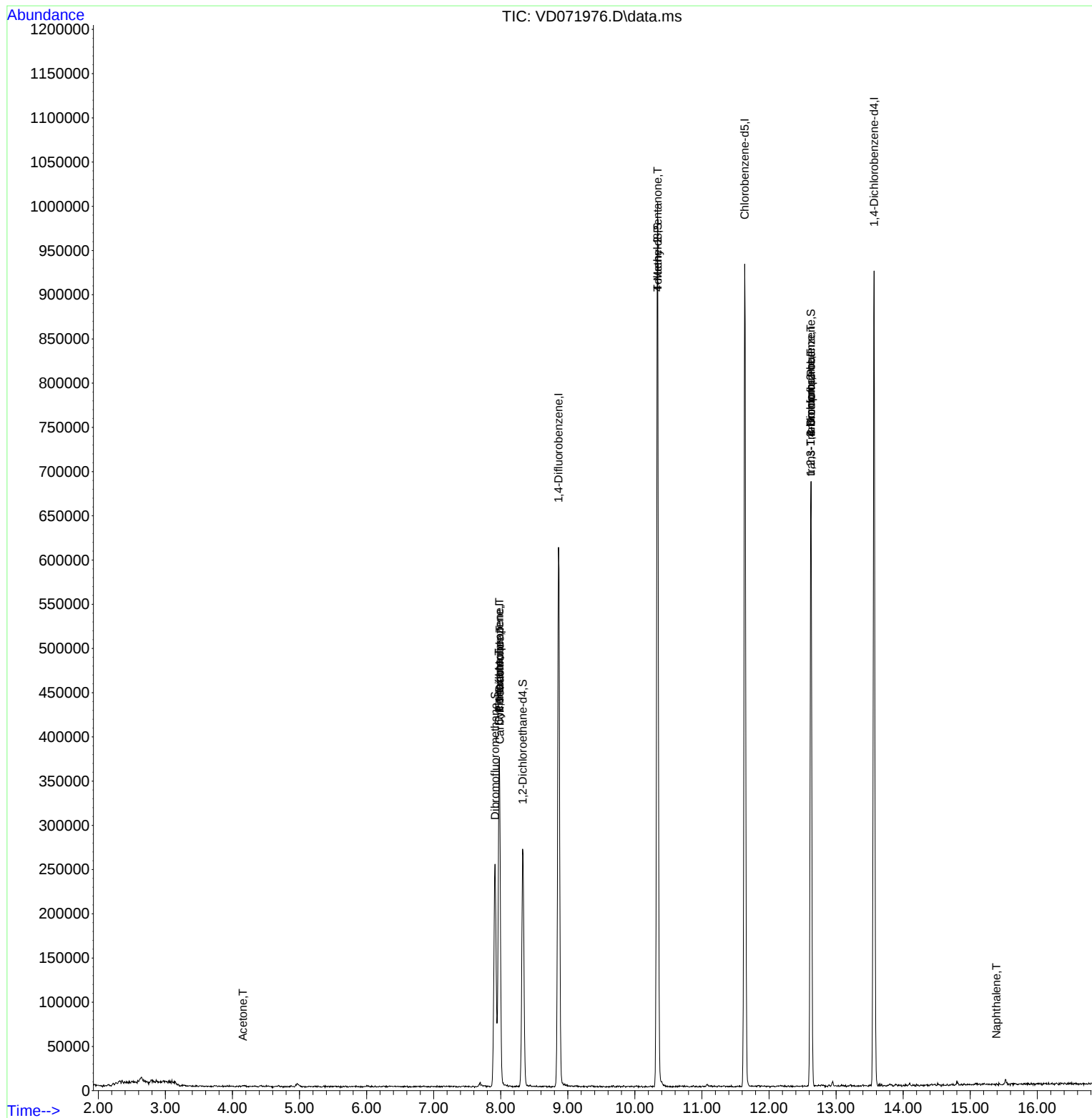
Internal Standards						
1) Pentafluorobenzene	7.979	168	255630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	488311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	496270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	223542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	214336	66.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.680%	
35) Dibromofluoromethane	7.914	113	176816	55.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.180%	
50) Toluene-d8	10.338	98	630183	52.570	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.140%	
62) 4-Bromofluorobenzene	12.626	95	219176	52.357	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.203	59	88	Below Cal	#	74
16) Acetone	4.156	43	1807	2.043	ug/l #	47
20) Methylene Chloride	4.979	84	1091	Below Cal	#	56
31) Cyclohexane	7.973	56	7691	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	24902	4.520	ug/l #	50
38) Carbon Tetrachloride	7.985	117	27389	5.027	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	3706	1.538	ug/l #	1
71) Bromoform	12.626	173	2479	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	122226	51.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	122226	127.565	ug/l #	7
95) Naphthalene	15.390	128	308	1.492	ug/l #	70

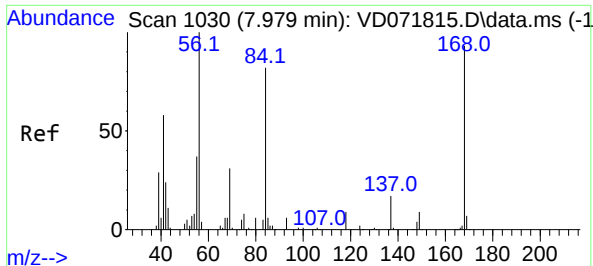
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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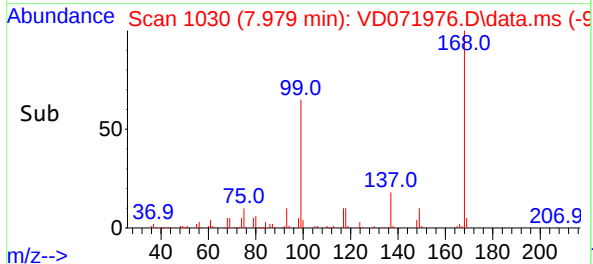
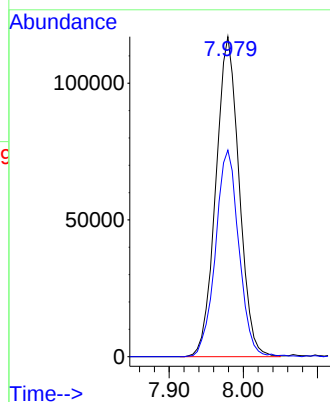
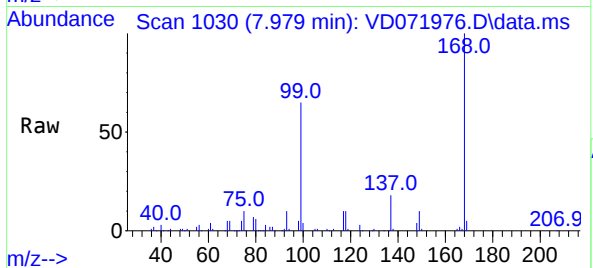




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

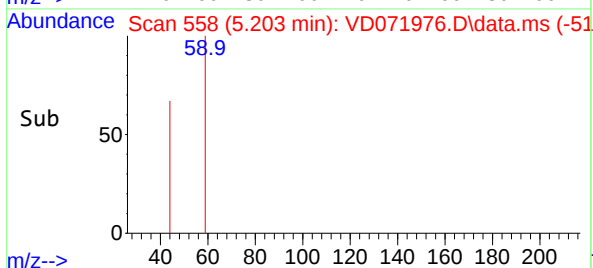
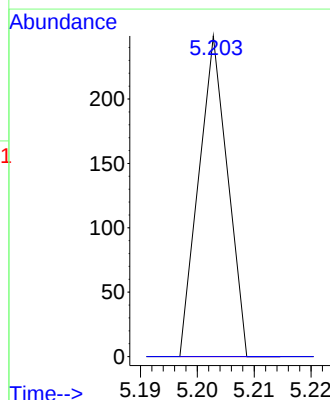
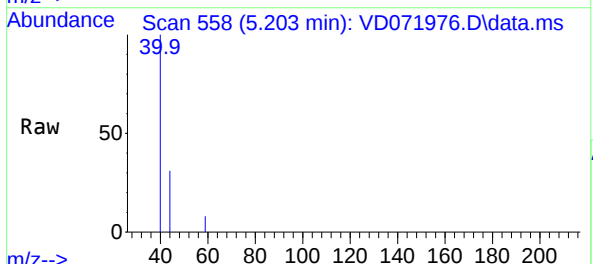
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 255630
Ion Ratio Lower Upper
168 100
99 64.6 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.018 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

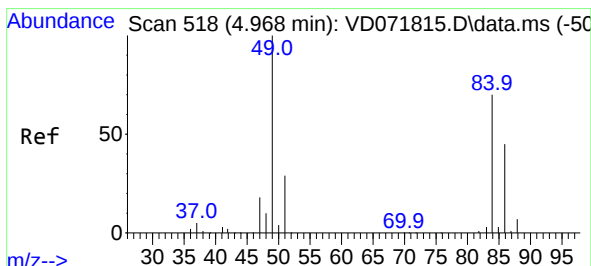
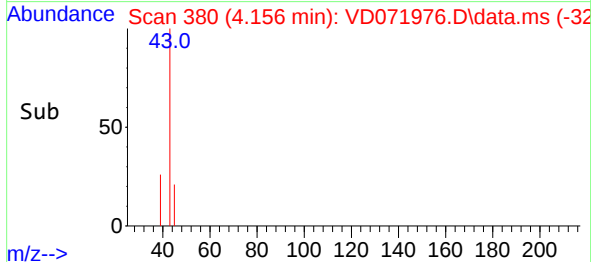
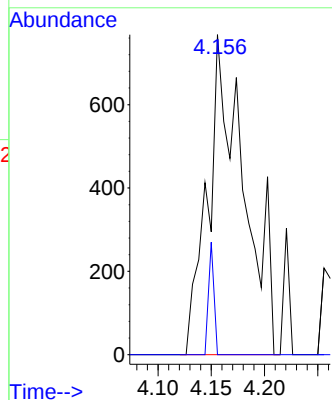
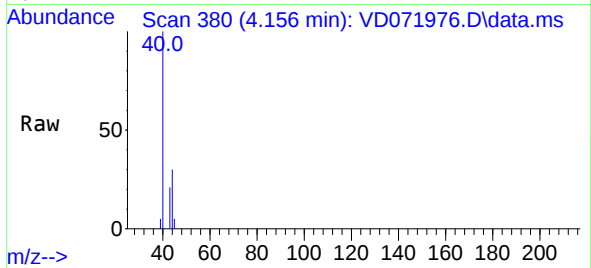




#16
Acetone
Concen: 2.043 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

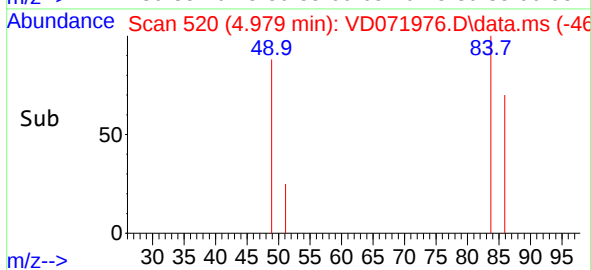
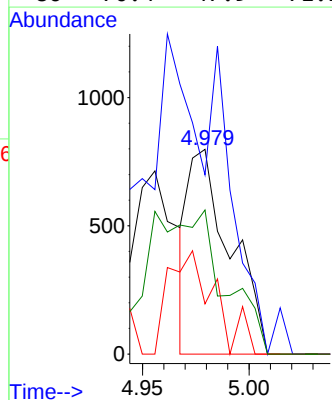
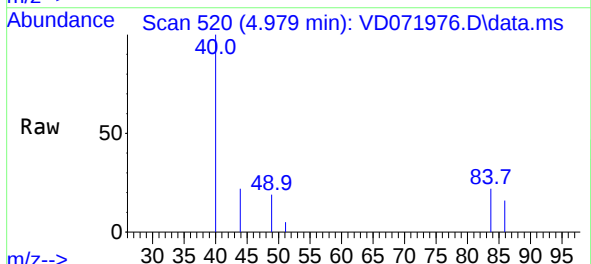
Instrument :
MSVOA_D
ClientSampleId :

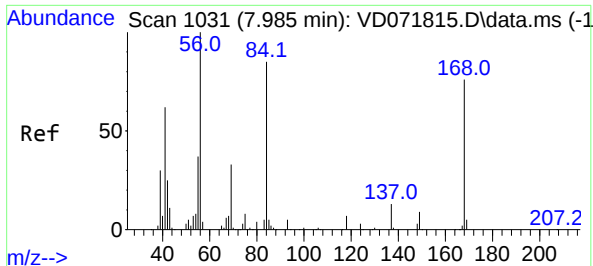
Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

Tgt Ion: 84 Resp: 1091
Ion Ratio Lower Upper
84 100
49 65.0 112.8 169.2#
51 24.6 32.6 48.8#
86 70.4 47.9 71.9





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

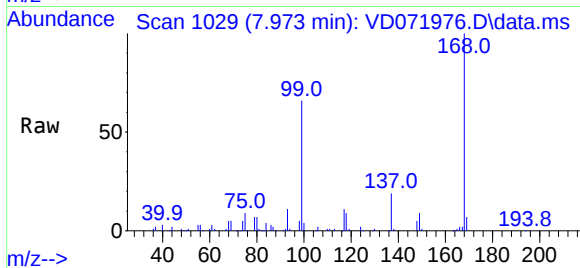
Lab File: VD071976.D

Acq: 15 Feb 2022 13:48

Instrument :

MSVOA_D

ClientSampleId :



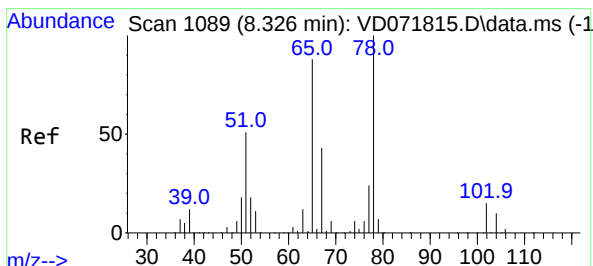
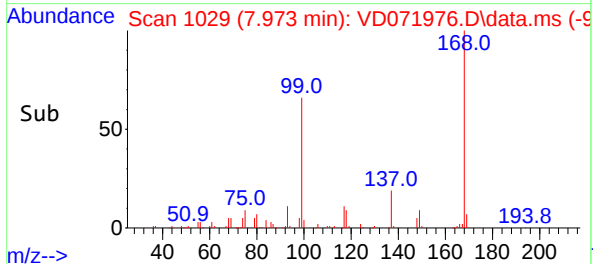
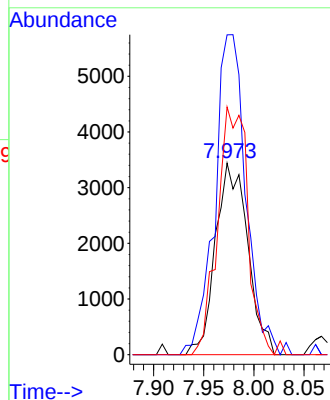
Tgt Ion: 56 Resp: 7691

Ion Ratio Lower Upper

56 100

69 166.9 25.4 38.2#

84 129.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 66.337 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071976.D

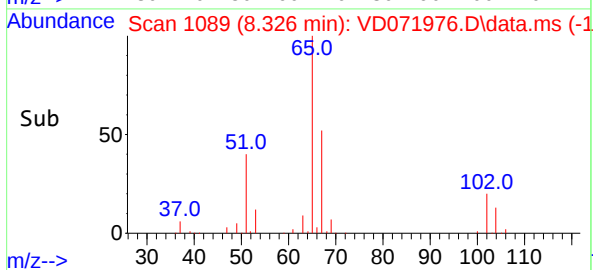
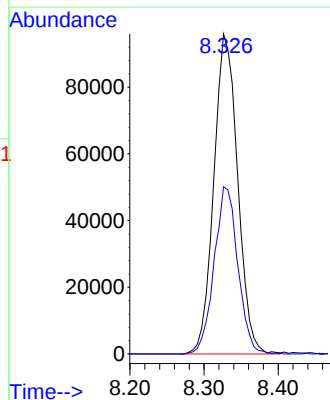
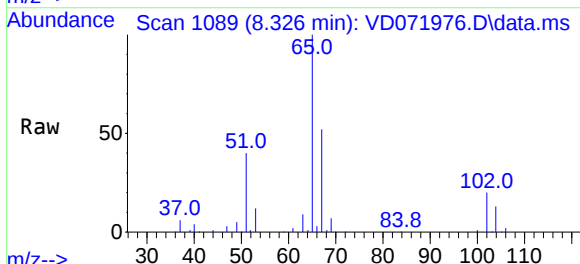
Acq: 15 Feb 2022 13:48

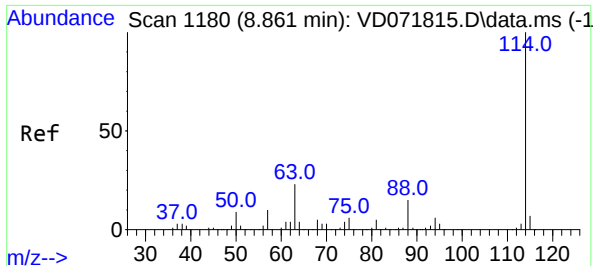
Tgt Ion: 65 Resp: 214336

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071976.D

Acq: 15 Feb 2022 13:48

Instrument :

MSVOA_D

ClientSampleId :

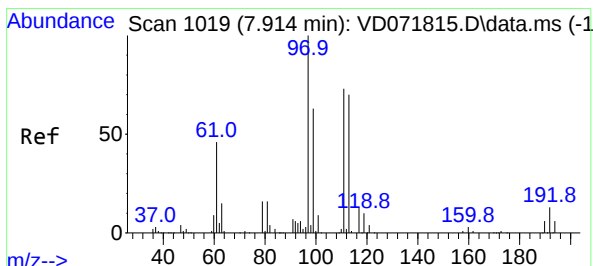
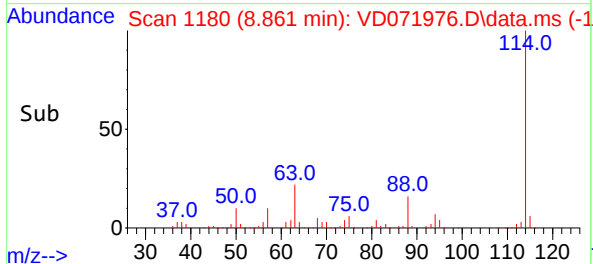
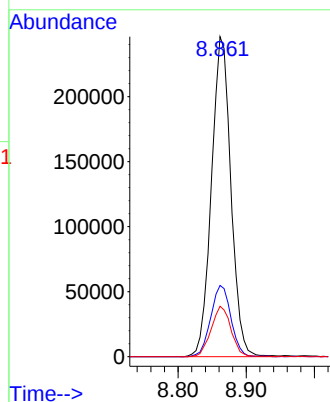
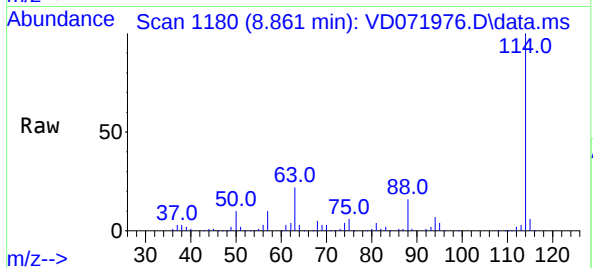
Tgt Ion:114 Resp: 488311

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 55.086 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071976.D

Acq: 15 Feb 2022 13:48

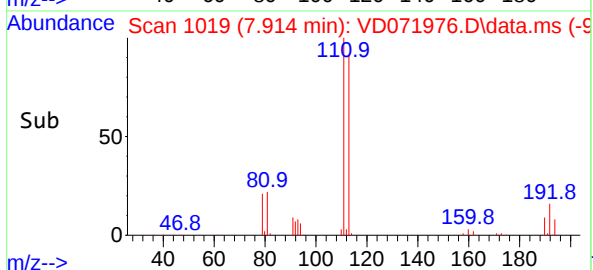
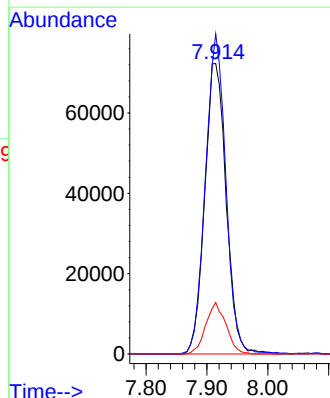
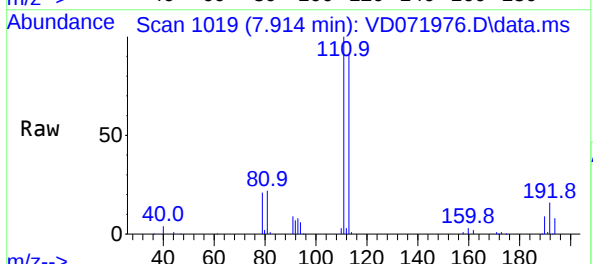
Tgt Ion:113 Resp: 176816

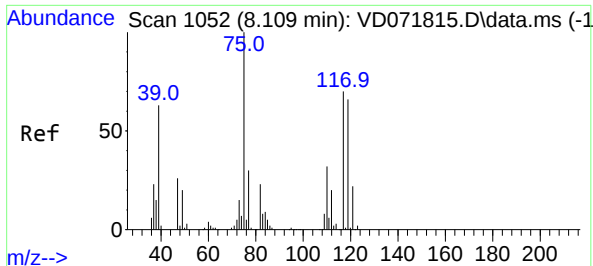
Ion Ratio Lower Upper

113 100

111 104.9 83.8 125.6

192 16.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.520 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071976.D

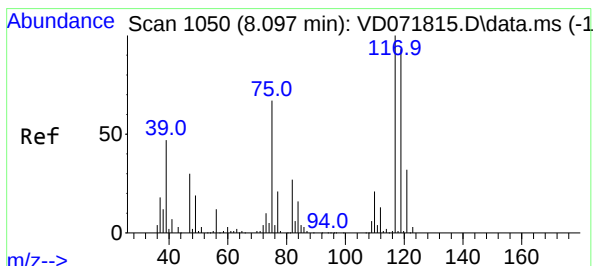
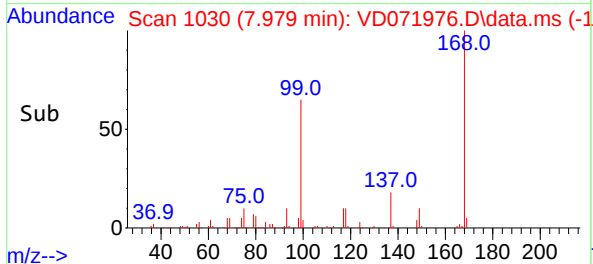
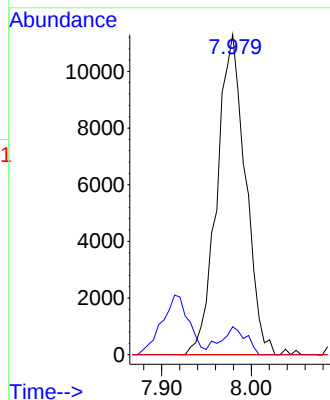
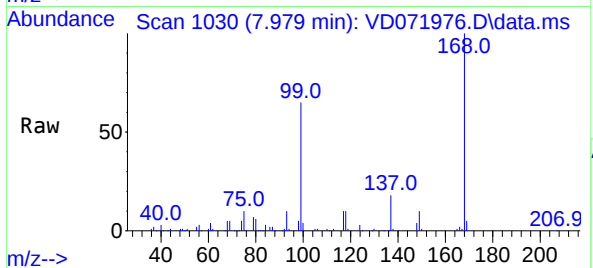
Acq: 15 Feb 2022 13:48

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	24902
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.027 ug/l

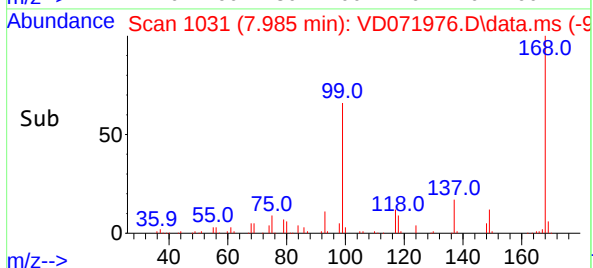
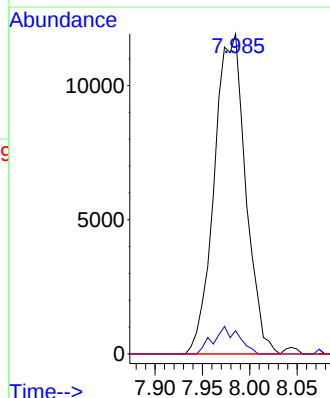
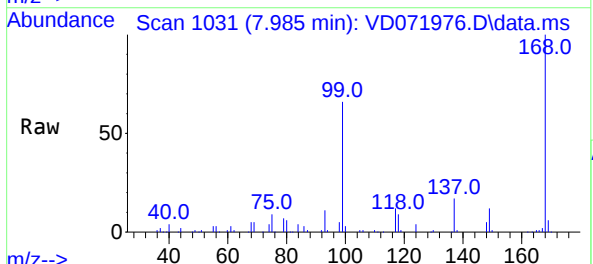
RT: 7.985 min Scan# 1031

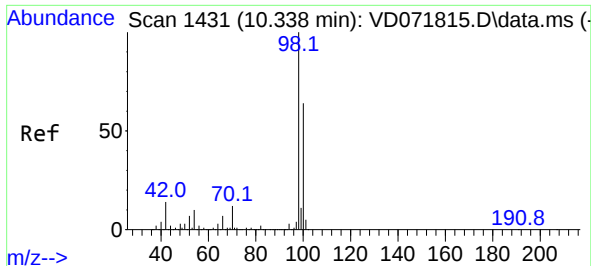
Delta R.T. -0.112 min

Lab File: VD071976.D

Acq: 15 Feb 2022 13:48

Tgt Ion:	117	Resp:	27389
Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.8	113.6#
121	0.0	24.5	36.7#

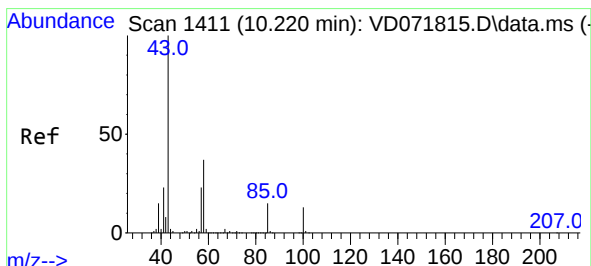
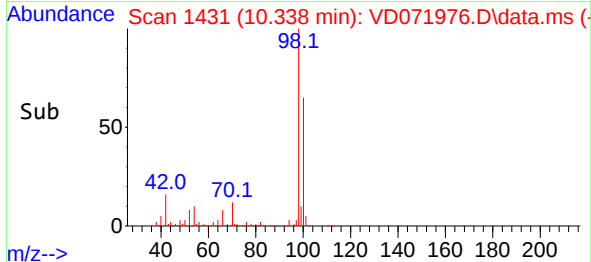
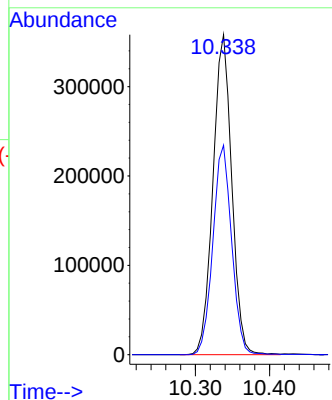
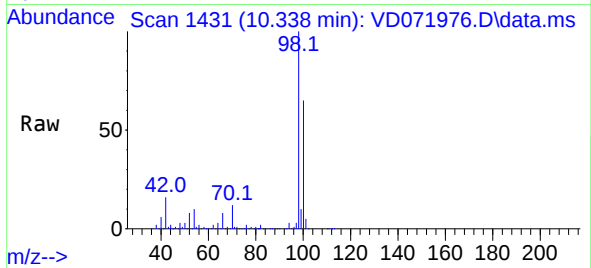




#50
Toluene-d8
Concen: 52.570 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

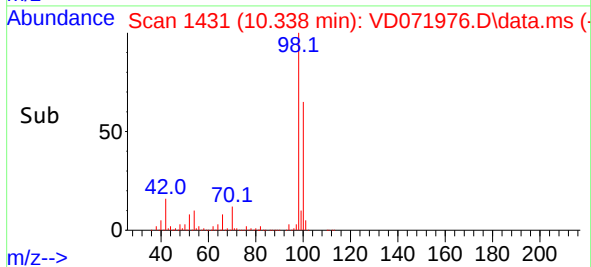
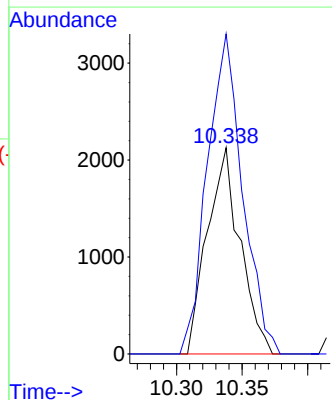
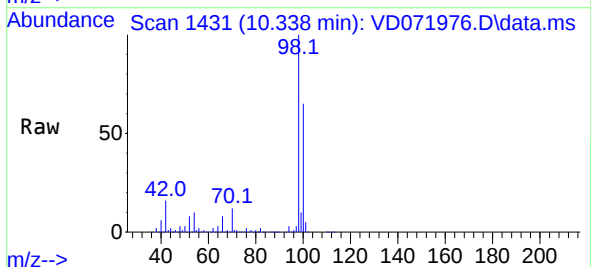
Instrument :
MSVOA_D
ClientSampleId :

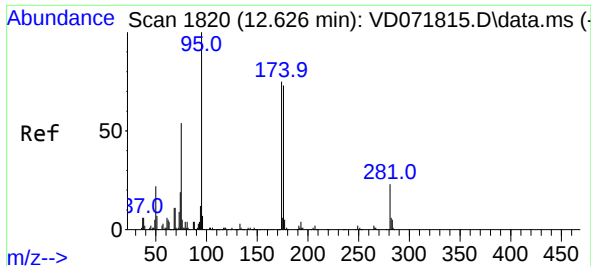
Tgt Ion: 98 Resp: 630183
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.538 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

Tgt Ion: 43 Resp: 3706
Ion Ratio Lower Upper
43 100
58 166.7 28.6 43.0#

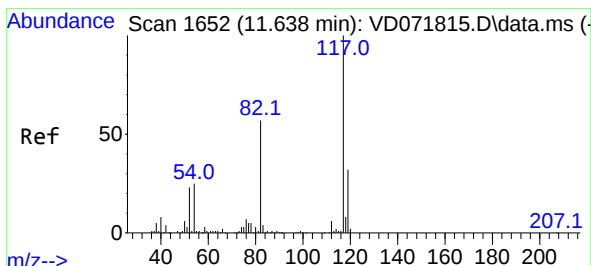
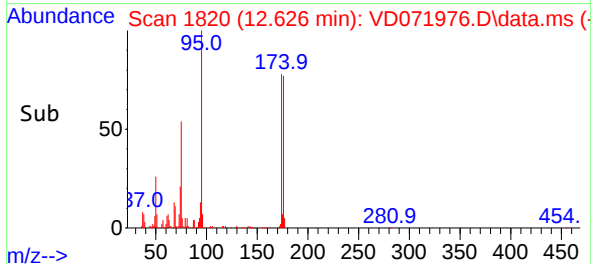
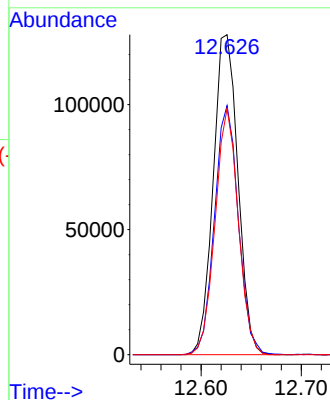
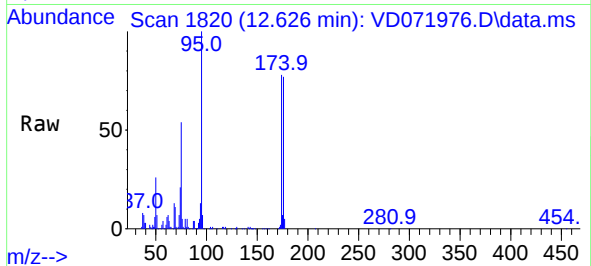




#62
4-Bromofluorobenzene
Concen: 52.357 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

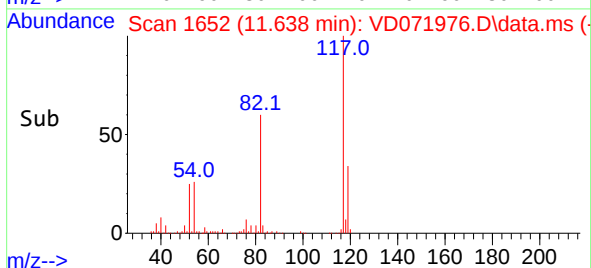
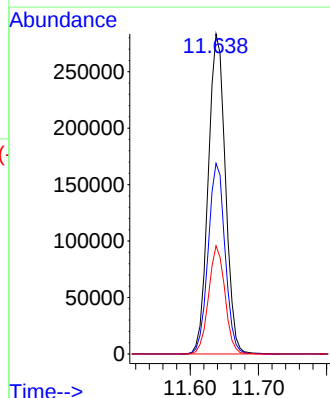
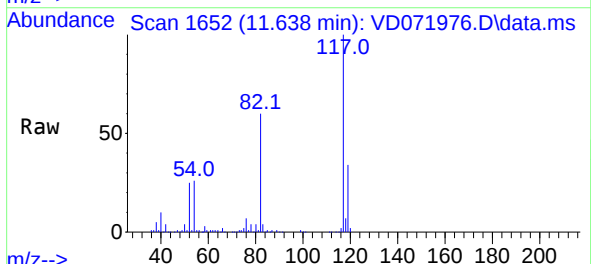
Instrument :
MSVOA_D
ClientSampleId :

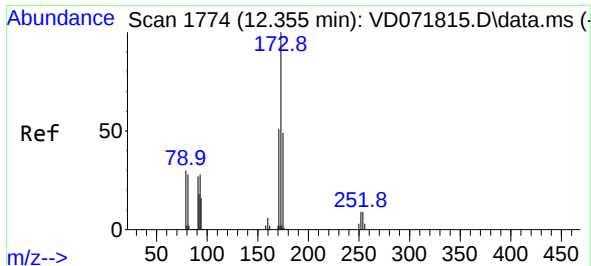
Tgt Ion: 95 Resp: 219176
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.8
176 72.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

Tgt Ion: 117 Resp: 496270
Ion Ratio Lower Upper
117 100
82 59.5 45.3 67.9
119 33.8 26.6 40.0

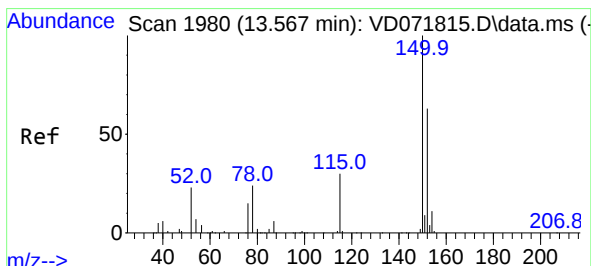
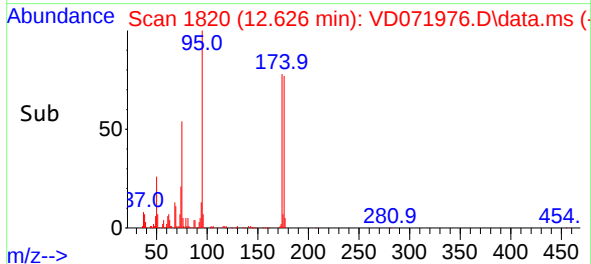
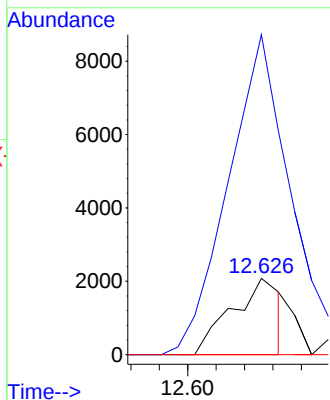
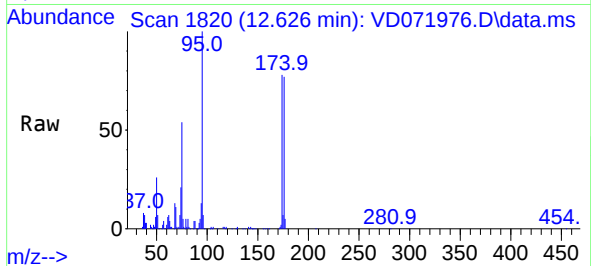




#71
Bromoform
Concen: 1.216 ug/l
RT: 12.626 min Scan# 1774
Delta R.T. 0.271 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

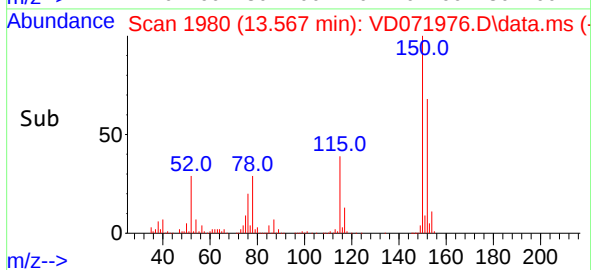
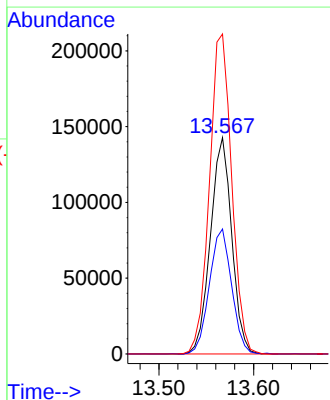
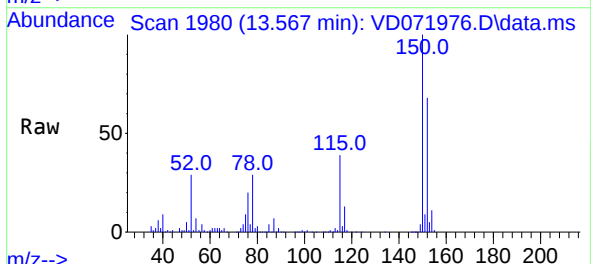
Instrument :
MSVOA_D
ClientSampleId :

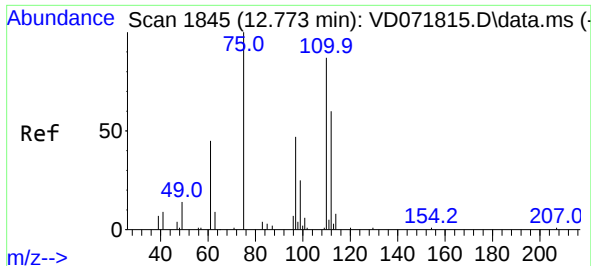
Tgt Ion:173 Resp: 2479
Ion Ratio Lower Upper
173 100
175 430.1 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

Tgt Ion:152 Resp: 223542
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 154.4 0.0 348.6

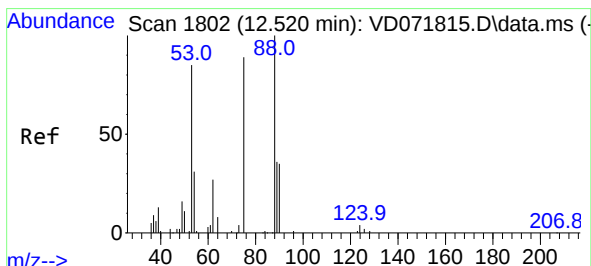
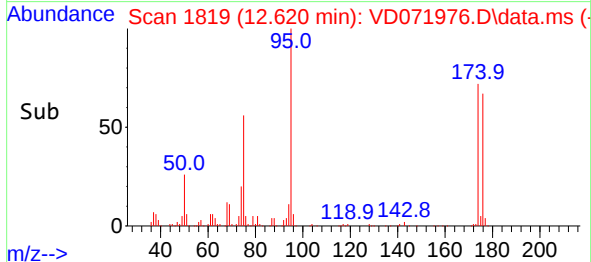
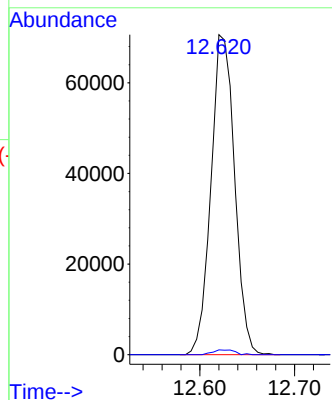
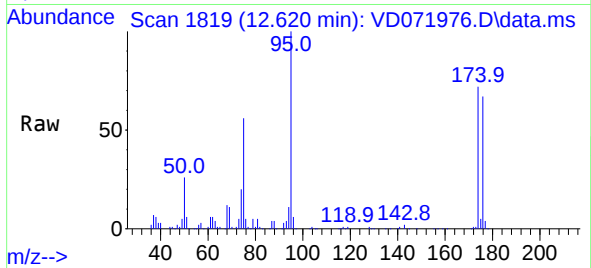




#76
1,2,3-Trichloropropane
Concen: 51.882 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

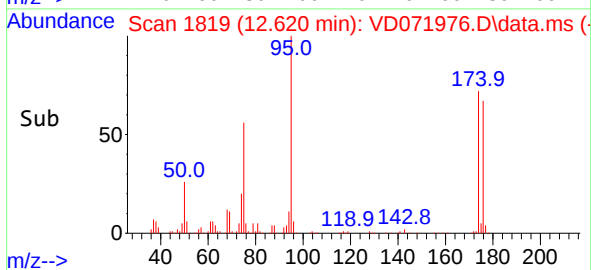
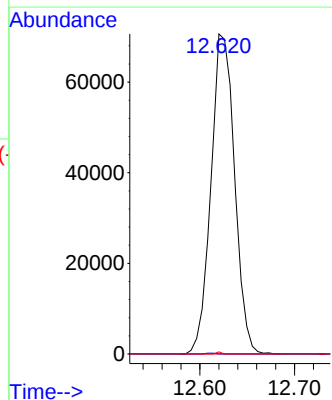
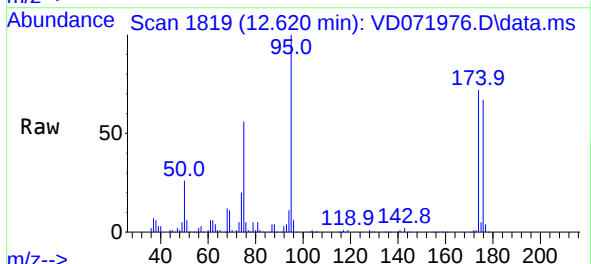
Instrument :
MSVOA_D
ClientSampleId :

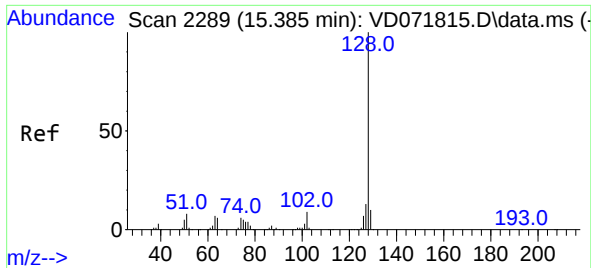
Tgt Ion: 75 Resp: 122226
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.565 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071976.D
Acq: 15 Feb 2022 13:48

Tgt Ion: 75 Resp: 122226
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 1.492 ug/l

RT: 15.390 min Scan# 21

Delta R.T. 0.006 min

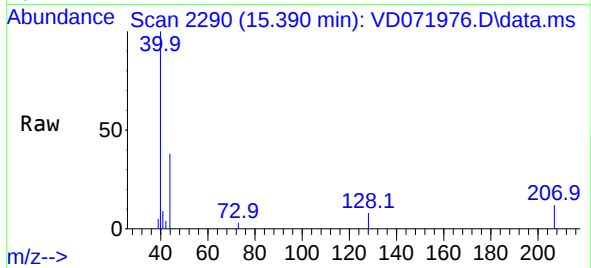
Lab File: VD071976.D

Acq: 15 Feb 2022 13:48

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:128 Resp: 308

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

